Amendment to the Claims

1. (Currently Amended) A syringe-type cell handling device including:

a vessel able to hold, in a liquid-tight state, a handling medium that is fluid and contains cells, the vessel being at least partially composed of a main body that combines with a plunger to form a syringe type device, the plunger being slidably insertable into the main body, the handling medium being transplanted into a living body by a pushing force being applied to the plunger, and being able to transfer the handling medium between an interior and an exterior of the vessel by the pushing force via a mouth being opened in the vessel to end the liquid-tight state, the mouth connecting the interior and the exterior, wherein

at least part of the main body and/or the plunger ~~at least part of the vessel~~ that contacts the handling medium when the vessel holds the handling medium is a gas permeable region for passing a quantity of gas necessary for survival of the cells.

2. (Original) The cell handling device of Claim 1, wherein

a whole of the vessel that contacts the handling medium when the vessel holds the handling medium is the gas permeable region.

3. (Currently Amended) The cell handling device of Claim 1, wherein in terms of an overall oxygen permeability quantity, a gas permeability of the gas permeable region is ~~one of~~ 1 mL/24 hr atm or more ~~and 10 mL/24 hr atm or more~~.

4. (Previously Presented) The cell handling device of Claim 1, wherein the gas permeable region is composed of one of a gas permeable resin and a porous film.

5. (Withdrawn) A tissue regeneration method in which the cell handling device of Claim 1 is used, the tissue regeneration method comprising:

a first step of holding, the handling medium in the vessel; and

a second step of transplanting the handling medium into a living body.

6. (Cancelled)

7. (Cancelled)

8. (Currently Amended) The cell handling device of ~~Claim 7~~ Claim 1, wherein

the main body is composed of a flexible bag-type vessel that holds the handling medium and deforms as the plunger slides, and a cylindrical exterior part that holds the bag-type vessel, and at least part of the bag-type vessel is the gas permeable region.

9. (Original) The cell handling device of Claim 8, wherein the bag-type vessel is detachable from the cylindrical exterior part, and handling of the handling medium is possible when the bag-type vessel is in a detached state.

10. (Previously Presented) The cell handling device of Claim 8, wherein

the bag-type vessel includes a discharge part for discharging the handling medium and a push part that causes a pushing force to act on the bag-type vessel.

11. (Original) The cell handling device of Claim 10, wherein

except for the discharge part, a whole of the bag-type vessel is composed of a flexible material that is contractible under the pushing force.

12. (Original) The cell handling device of Claim 11, wherein

the bag-type vessel includes a concertina section, and

the concertina section is shortened via the push part effecting the pushing force.

13. (Original) The cell handling device of Claim 11, wherein

the bag-type vessel is a tube.

14. (Original) The cell handling device of Claim 8, wherein

a gas permeable region is provided in at least one other part besides the bag-type vessel so as gas exchange between a handling device exterior and the bag-type vessel is possible when the bag type vessel is being stored in the cylindrical exterior part.

15. (Original) The cell handling device of Claim 8, further including a rupturing means for

rupturing the bag-type vessel when the bag-type vessel is being stored in the cylindrical exterior part.

16. (Original) The cell handling device of Claim 8, wherein

a discharge part that discharges the handling medium in a plunger forward-sliding direction is provided in the main body, and

the discharge part is formed such that a needle, an intravascular catheter or other conduit can be connected thereto.

17. (Currently Amended) A ~~The~~ cell handling device ~~of Claim 6, wherein,~~ including:

a vessel able to hold, in a liquid-tight state, a handling medium that is fluid and contains cells; and

a volume varying means for varying a volume of the vessel,

the vessel being able to transfer the handling medium between an interior and an exterior of the vessel via a mouth of the vessel which can be opened to end the liquid-tight state, the mouth connecting the interior and the exterior,

wherein at least part of the vessel that contacts the handling medium, when the vessel holds the handling medium, is a gas permeable region which has, in terms of an overall oxygen permeability quantity, a gas permeability of ~~the gas permeable region is one of~~ 1 mL/24 hr atm or more ~~and 10 mL/24 hr atm or more~~ for passing a quantity of gas necessary for survival of the cells, and

as the volume varying means varies the volume, the handling medium is discharged, or

flows into, the vessel.

18. (Previously Presented) A ~~The~~ cell handling device ~~of Claim 6, wherein,~~including:

a vessel able to hold, in a liquid-tight state, a handling medium that is fluid and contains cells; and

a volume varying means for varying a volume of the vessel,

the vessel being able to transfer the handling medium between an interior and an exterior of the vessel via a mouth of the vessel, which can be opened to end the liquid-tight state, the mouth connecting the interior and the exterior,

wherein at least part of the vessel that contacts the handling medium, when the vessel holds the handling medium, is a ~~the~~ gas permeable region ~~is~~ composed of one of a gas permeable resin and a porous film for passing a quantity of gas necessary for survival of the cells, and as the volume varying means varies the volume, the handling medium is discharged, or flows into, the vessel.

19. (Currently Amended - Withdrawn) A tissue regeneration method in which the cell handling device of ~~Claim 6~~ Claim 17 is used, the tissue regeneration method comprising:

a first step of holding the handling medium, in the vessel; and

a second step of transplanting the handling medium into a living body.

20. (Currently Amended) The cell handling device of ~~Claim 7~~ Claim 1, wherein

portions of the gas permeable region are provided at a plurality of separate locations in the

main body and each portion extends in a sliding direction of the plunger.

21. (Original) The cell handling device of Claim 20, wherein

each portion of the gas permeable region is composed of a material whose gas permeability is higher than a gas permeability of a principal material of the main body.

22. (Currently Amended) The cell handling device of ~~Claim 7~~ Claim 1, wherein

a portion of gas permeable region is located in the main body in a sliding direction of the plunger.

23. (Original) The cell handling device of Claim 22, wherein a portion of the gas permeable region is formed at a tip of the plunger.

24. (Cancelled)

25. (Currently Amended) The cell handling device of ~~Claim 24~~ Claim 22, wherein:

~~the~~ a discharge part is formed at ~~or in proximity to~~ a surface of the vessel that makes contact with the plunger when the plunger is in a fully pressed state, and

a portion of the permeable region is formed in the surface.

26. (Currently Amended) The cell handling device of ~~Claim 24~~ Claim 22, wherein

a portion of the gas permeable region is provided in a closing member that covers the discharge part.

27. (Currently Amended) The cell handling device of Claim 20, wherein

in terms of an overall oxygen permeability quantity, a gas permeability of the gas permeable region is ~~one of~~ 1 mL/24 hr atm or more ~~and 10 mL/24 hr atm or more~~.

28. (Previously Presented) The cell handling device of Claim 20, wherein the gas permeable region is composed of one of a gas permeable resin and a porous film.

29-44. (Cancelled)

45. (New) The cell handling device of Claim 3, wherein the gas permeable region is composed of one of a gas permeable resin and a porous film.